

**ABSTRACT OF THE DISCLOSURE**

A system and method for controlling call admission control in a mobile communication system enables call admission control function to be conducted in a forward link of the mobile communication system. The call admission control method includes a call admission control process, in which voice calls and data calls are distinguished from each other, minimum resource availability is checked, a voice call priority function is conducted, and a maximum supplemental channel (SCH) for the data call is established. According to this process QoS (Quality of Service) for all users is satisfied to the greatest extent and the occurrence of call reject and call drop of voice calls and data calls are reduced. Further, the voice call priority may be guaranteed and the database related to the call admission control may be adjusted easily by the system operator according to the relevant cell environment.